

# **Two new extensions: Page Exchange and Flex Diagrams**

**Yaron Koren  
SMWCon Fall 2020  
November 25, 2020**

# Page Exchange

- [https://www.mediawiki.org/wiki/Extension:Page\\_Exchange](https://www.mediawiki.org/wiki/Extension:Page_Exchange)
- Released in May 2020
- Abbreviated “PX”
- A “wiki package manager”: sort of like yum or apt, but for wiki page “packages”

# Page Exchange “packages”

- Package: a group of wiki pages that are meant to be used together – can include templates, forms, categories, regular pages, etc.
- Can also include JS and CSS pages – these will then get loaded on every page load
- Defined in a JSON file anywhere on the web
  - This file is then specified in LocalSettings.php (in `$wgPageExchangePackageFiles`)

## Demo

# Page Exchange – potential uses

- A way to create/distribute reusable data structures (especially when using SMW or Cargo)
  - For MediaWiki companies/consultants, these can become part of the offerings – either free or paid
- Maintain consistent data structures within a set of wikis
- Use of JS and CSS can even make a PX package an alternative to an extension or skin
- etc.

# Flex Diagrams

- [https://www.mediawiki.org/wiki/Extension:Flex\\_Diagrams](https://www.mediawiki.org/wiki/Extension:Flex_Diagrams)
- Lets users define, edit and display diagrams
- Current supported diagram formats: BPMN, Gantt charts & Mermaid charts
- First demo'ed at SMWCon 2019
- Finally released in July 2020, with help from Sahaj Khandelwal

# Flex Diagrams - features

- Each diagram type gets its own namespace
- Each diagram gets an “Edit diagram” tab
- Diagrams can be displayed using #display\_diagram parser function
- BPMN diagrams can have elements that are links
- Cargo storage of BPMN, Gantt data

## Demo





**Thank you!**

**Questions/comments**